



JC077 d PCT/PTO 31 OCT 2001

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6-8-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

BRADY et al

Atty. Ref.: 117-364

Serial No. 09/914,460

Group:

Filed: October 11, 2001

Examiner:

For: X-RAY IMAGE PROCESSING

* * * * *

October 31, 2001

Assistant Commissioner for Patents
Washington, DC 20231

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**RESPONSE TO NOTIFICATION OF MISSING
REQUIREMENTS UNDER 35 U.S.C. 371**

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Sir:

Responsive to the Notification of Missing Requirements mailed October 17, 2001 (a copy of which is attached), it is respectfully submitted that the executed Declaration and Assignment were filed on October 11, 2001. A copy of the PTO mail room date-stamped postcard indicating receipt of the executed Declaration is attached hereto. A further copy of the Declaration is attached for your convenience.

Confirmation of receipt of the executed Declaration is respectfully requested.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:

Arthur R. Crawford

Reg. No. 25,327

ARC:pfc
1100 North Glebe Road, 8th Floor
Arlington, VA 22201-4714
Telephone: (703) 816-4000
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Serial No.: 09/914,460
Inventor/s: BRADY et al

C#/M#: 117-364
Atty: Arthur R. Crawford
Date: October 11, 2001

Title: X-RAY IMAGE PROCESSING

XX Declaration (3 Pages)
XX Assignment (2 Pages) Including Cover
Priority Document(s)
Base Issue Fee Transmittal

\$40.00 Fee (Check) - Pre-Bill

\$ Fee (Check) - Non Pre-Bill

\$40.00 = Total Fee Enclosed

Other:



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117-364

<input checked="" type="checkbox"/> <small>Continuation for Patent, See PCT, United States Patent and Trademark Office, Washington, D.C. 20535, www.uspto.gov</small>		
U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.

09/914,460

Brady

117-364

INTERNATIONAL APPLICATION NO.

PCT/GB00/00617

I.A. FILING DATE

PRIORITY DATE

02/21/2000

03/01/1999

Arthur R. Crawford
Nixon & Vanderhye
1100 North Glebe Road , 8th Floor
Arlington, VA 22201-4714

CONFIRMATION NO. 5345

371 FORMALITIES LETTER



OC000000006907723

Date Mailed: 10/17/2001

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated Office (37 CFR 1.494):

- U.S. Basic National Fees
- Priority Document
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Information Disclosure Statements
- Preliminary Amendments
- Request for Immediate Examination

DOCKETED

CLT/MATTER # 117-364
MAIL DATE 10-17-01
DUE DATE Dec 17, 2001
FINAL DEADLINE May 17, 2002
DOCKETED BY pdl mls

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The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

. FREDERICK SMITH

Telephone: (703) 305-3654

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
09/914,460	PCT/GB00/00617	117-364

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FORM PTO-1390 (REV 11-2000)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 117-364
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 09/914,460
INTERNATIONAL APPLICATION NO. PCT/GB00/00617	INTERNATIONAL FILING DATE 21 February 2000	PRIORITY DATE CLAIMED 1 March 1999

TITLE OF INVENTION

X-RAY IMAGE PROCESSING

APPLICANT(S) FOR DO/EO/US

BRADY et al

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The U.S. has been elected by the expiration of 19 months from the priority date (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has **NOT** expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 To 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information.

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U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 09/914,460	INTERNATIONAL APPLICATION NO. PCT/GB00/00617	ATTORNEY'S DOCKET NUMBER 117-364
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21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5): -- Neither international preliminary examination fee (37 C.F.R. 1.482) nor international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1040.00 -- International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO.....\$890.00 -- International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO\$740.00 -- International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4).....\$710.00 -- International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4).....\$100.00 <div style="text-align: right;">ENTER APPROPRIATE BASIC FEE AMOUNT =</div> Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">CALCULATIONS</th> <th style="text-align: left;">PTO USE ONLY</th> </tr> <tr> <td style="width:10%;"></td> <td style="width:10%; text-align: right;">\$</td> <td style="width:80%;"></td> </tr> <tr> <td></td> <td style="text-align: right;">0.00</td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;">0.00</td> <td></td> </tr> </table>	CALCULATIONS		PTO USE ONLY		\$			0.00			0.00	
CALCULATIONS		PTO USE ONLY											
	\$												
	0.00												
	0.00												

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			
Total Claims	20	-20 =	0	X	\$18.00	\$ 0.00
Independent Claims	3	-3 =	0	X	\$84.00	0.00
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)					\$280.00	\$ 0.00
TOTAL OF ABOVE CALCULATIONS =					\$	0.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					0.00	
SUBTOTAL =					\$	0.00
Processing fee of \$130.00, for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).					0.00	
TOTAL NATIONAL FEE =					\$	0.00
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property					+	\$ 40.00
Fee for Petition to Revive Unintentionally Abandoned Application (\$1280.00 - Small Entity = \$640.00)					\$	0.00
TOTAL FEES ENCLOSED =					\$	40.00
					Amount to be:	
					refunded	\$
					Charged	\$

a. <input checked="" type="checkbox"/> A check in the amount of \$40.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees. A duplicate copy of this form is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed. d. <input checked="" type="checkbox"/> The entire content of the foreign application(s), referred to in this application is/are hereby incorporated by reference in this application.	<div style="text-align: center;"> SIGNATURE </div> <div style="text-align: center; margin-top: 20px;"> Arthur R. Crawford NAME </div>
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NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

NIXON & VANDERHYE P.C.
 1100 North Glebe Road, 8th Floor
 Arlington, Virginia 22201-4714
 Telephone: (703) 816-4000

55,327 REGISTRATION NUMBER	October 11, 2001 Date
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Attorney's Docket No.

RULE 63 (37 C.F.R. § 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As below named inventor(s), I/we hereby declare that

This declaration is of the following type:

- | | | |
|---|---------------------------------------|---|
| <input type="checkbox"/> original | <input type="checkbox"/> design | <input type="checkbox"/> supplemental |
| <input checked="" type="checkbox"/> national stage of PCT | | |
| <input type="checkbox"/> divisional | <input type="checkbox"/> continuation | <input type="checkbox"/> continuation-in-part |

My/our residence, post office address and citizenship are as stated below next to my/our name.

I/we believe I/we am/are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MAMMOGRAPHIC IMAGE PROCESSING

the specification of which (check one)

- ☐ is attached hereto
- ☐ was filed on _____
in the United States Patent and Trademark Office as Application Serial No. _____
and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. PCT/GB00/00617
filed on 21 Feb 2000
and as amended under PCT Article 19 on _____ (if any)

I/we hereby state that I/we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I/we acknowledge the duty to disclose information which is material to patent ability as defined in 37 C.F.R. § 1.56.

I/we hereby claim foreign priority benefits under 35 U.S.C § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or under § 365(a) of any PCT International Application(s) which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International Application having a filing date before that of the application on which priority is claimed:

COMBINED DECLARATION AND POWER OF ATTORNEY**PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §119**

Application No.	Country	Filing Date	Priority Claimed	
			Yes	No
9904692.2	GB	1 Mar 1999	X	
PCT/GB00/00617		21 Feb 2000		

I/we hereby claim the benefit under 35 U.S.C. § 119(e) of any United States Provisional Application(s) listed below:

UNITED STATES PROVISIONAL APPLICATION(S)

Application No.	Filing Date

I/we hereby claim the benefit under 35 U.S.C. § 120 of any United States Application(s) or § 365(c) of any PCT International Application(s) designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International Application in the manner provided by the first paragraph of 35 U.S.C. § 112, I/we acknowledge the duty to disclose information which is material to patent ability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national PCT international filing date of this application.

PRIOR UNITED STATES/PCT INTERNATIONAL APPLICATION(S)

Application No.	Filing Date	Status
		(patented, pending/abandoned).
PCT/GB00/00617	21 Feb 2000	

I/we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Nixon and Vanderhye P.C., 8th Floor 1100 North Glebe Road Arlington Virginia 22201-4714 United States of America

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C § 1001 and that such willful false statements may jeopardise the validity of the application or any patent issued thereon.

COMBINED DECLARATION AND POWER OF ATTORNEY

Inventors Signature

Date

Full name of first/sole inventor

John Michael BRADY

Citizenship

the United Kingdom

Residence(City)

Oxford OX1 3PJ United Kingdom

Post Office Address

Department of Engineering Science University of Oxford
19 Parks Road Oxford OX1 3PJ the United Kingdom

Inventors Signature

Date

Full name of 2nd inventor

Ralph HIGHNAM

Citizenship

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